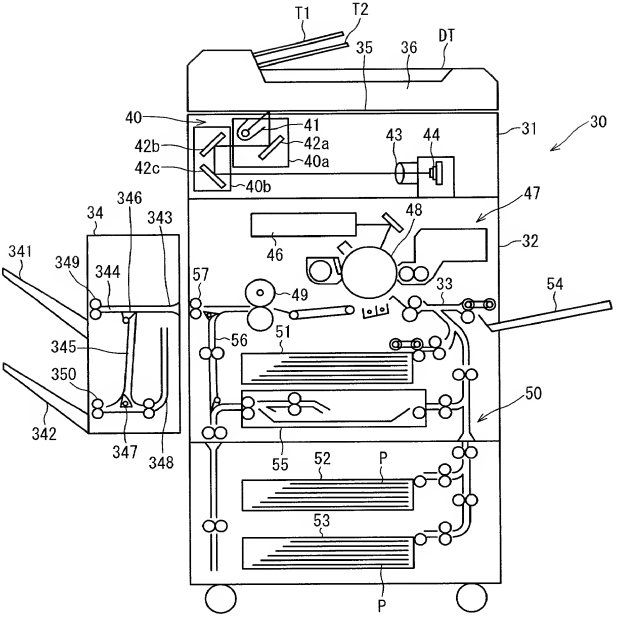
FIG. 1



0987930U "06120T

FIG. 2

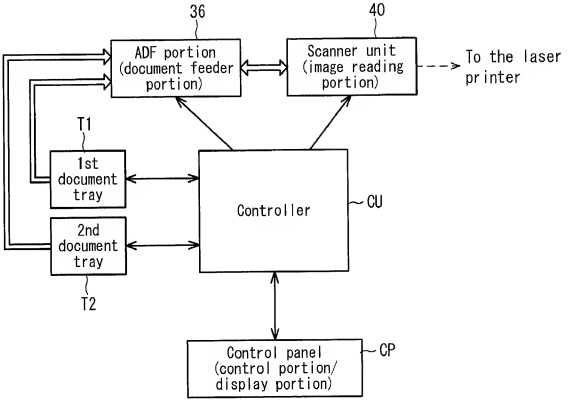
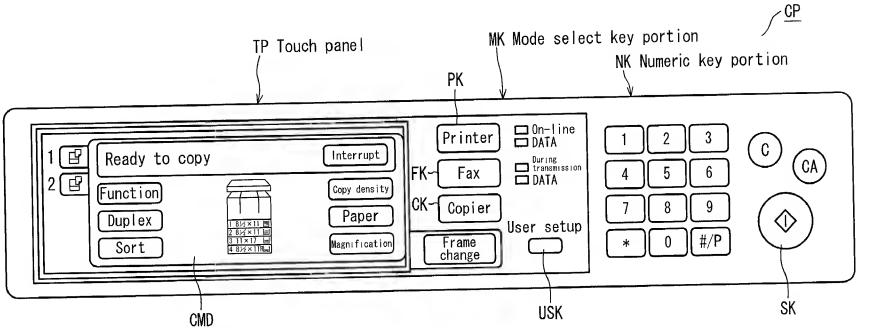

36
40
ADF portion (document feeder portion)
Scanner unit (image reading portion)
To the laser printer
T1
1st document tray
2nd document tray
T2
Controller
CU
Control panel (control portion/ display portion)
CP
※
:Control information
:Paper (recording media) movement
:Image information

FIG. 3


CP
TP Touch panel
MK Mode select key portion
NK Numeric key portion
PK
1
2
Ready to copy
Interrupt
Function
Duplex
Sort
Copy density
Paper
Magnification
Printer
FK
Fax
CK
Copier
Frame change
On-line
DATA
During transmission
DATA
User setup
1
2
3
4
5
6
7
8
9
*
0
#/P
C
CA
CMD
USK
SK

EP02790 "A0E67860

FIG. 4

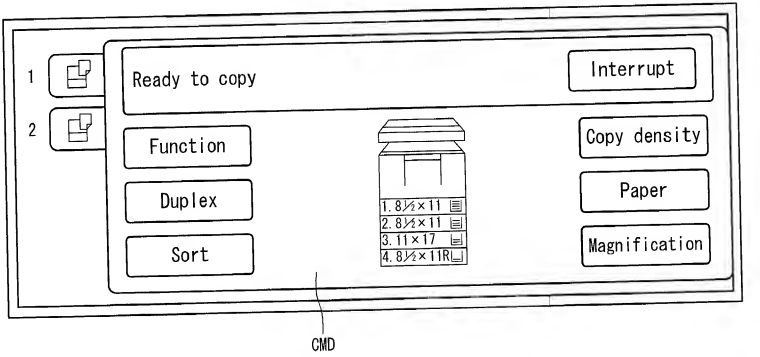


FIG. 5

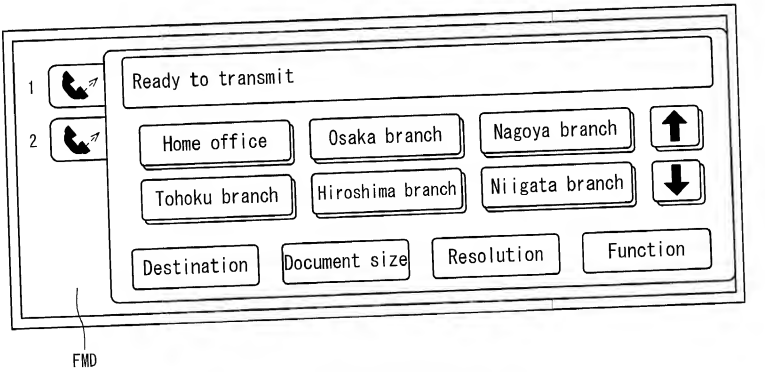

1
2
Ready to transmit
Home office
Osaka branch
Nagoya branch
Tohoku branch
Hiroshima branch
Niigata branch
Destination
Document size
Resolution
Function
FMD

FIG. 6

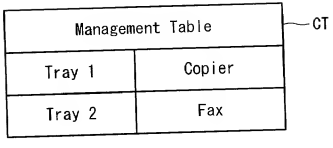

Management Table
CT
Tray 1
Copier
Tray 2
Fax

FIG. 7

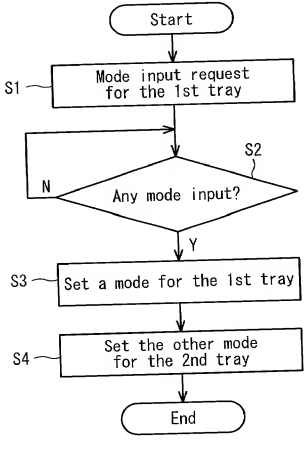

Start
S1
Mode input request for the 1st tray
S2
N
Any mode input?
Y
S3
Set a mode for the 1st tray
S4
Set the other mode for the 2nd tray
End

FIG. 8

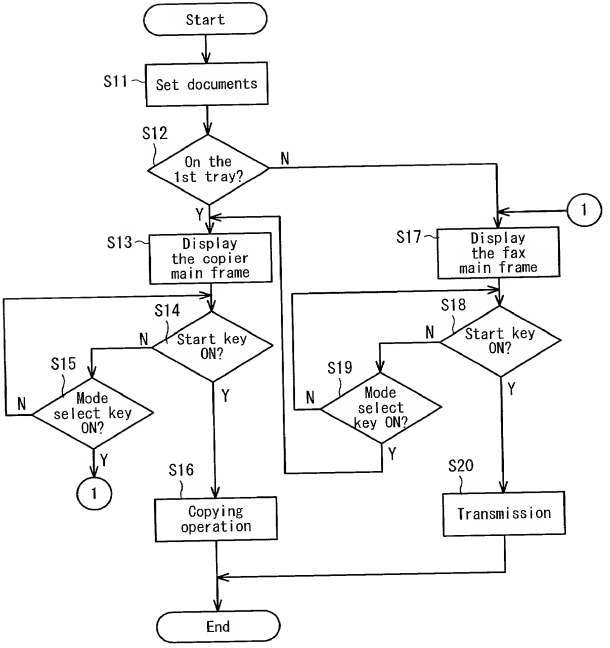

Start
S11
Set documents
S12
On the 1st tray?
N
Y
S13
Display the copier main frame
S14
Start key ON?
N
Y
S15
Mode select key ON?
N
Y
1
S16
Copying operation
1
S17
Display the fax main frame
S18
Start key ON?
N
Y
S19
Mode select key ON?
N
Y
S20
Transmission
End

FIG. 9

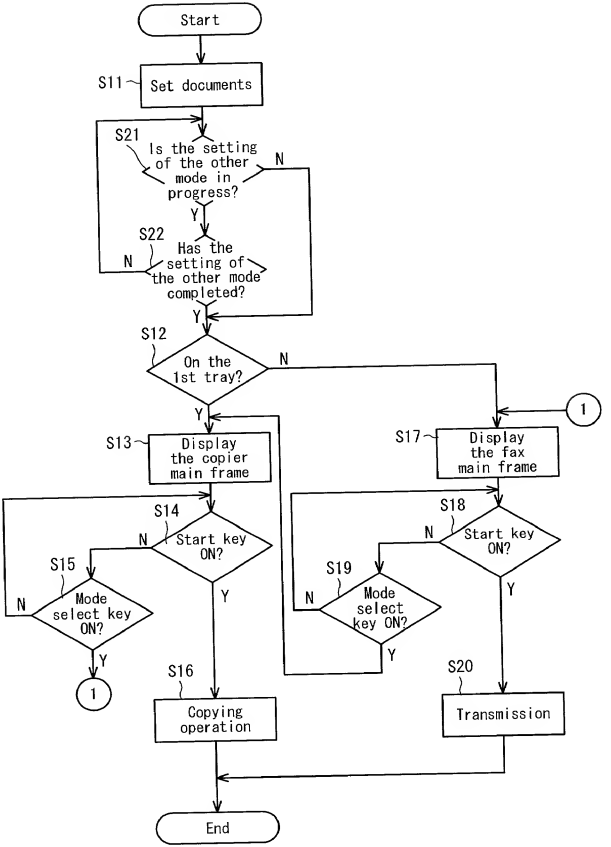

Start
S11
Set documents
S21
Is the setting of the other mode in progress?
N
Y
S22
Has the setting of the other mode completed?
N
Y
S12
On the 1st tray?
N
Y
1
S13
Display the copier main frame
S17
Display the fax main frame
S14
Start key ON?
N
Y
S15
Mode select key ON?
N
Y
1
S16
Copying operation
S18
Start key ON?
N
Y
S19
Mode select key ON?
N
Y
S20
Transmission
End

FIG. 10

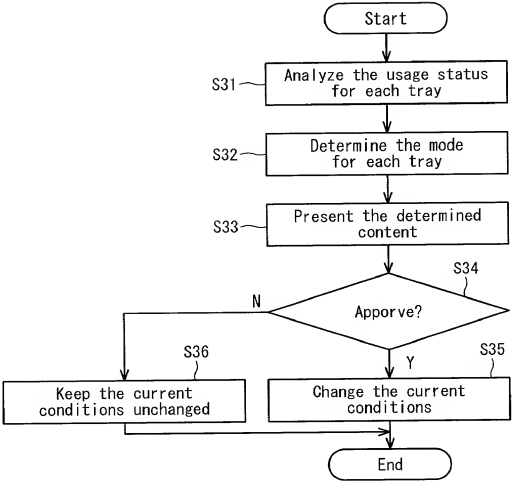
Management Table

The 1st tray setting	The 2nd tray setting
Copier	Fax
Copier	Fax
Fax	Fax
Copier	Copier
Copier	Copier
Fax	Fax

CT2

US 2007/0230984 A1

FIG. 11


Start
S31
Analyze the usage status for each tray
S32
Determine the mode for each tray
S33
Present the determined content
S34
Apporve?
N
Y
S36
Keep the current conditions unchanged
S35
Change the current conditions
End

09879304 "06120T

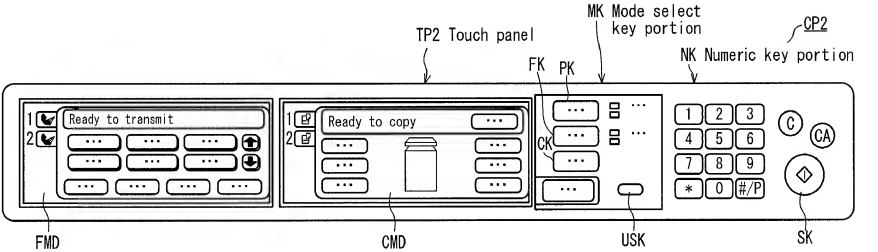



FIG. 12